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ABSTRACT

This teacher's handbook is designed to educate the city builders of tomorrow about the importance of responsible urban development. The activities stress the relationship between the built and natural environment. The goals of the project emphasize: (1) sensitivity to the importance of working in greater harmony with the total environment; (2) recognition that all individuals can affect the quality of the environment; and (3) knowledge of skills and concepts necessary to allow individuals to influence the quality of their environment. The project emphasizes a cross-curricular approach where built environment concepts are used as a focus to enhance skills in reading, writing, science, mathematics, social studies, and art. The project organization focuses on four phases: (1) skills building; (2) analysis and design; (3) production; and (4) community presentation. Roles and responsibilities for the teacher, architect, and consultant are delineated. A glossary of terms specific to the activities is provided. Activities are built around the following topics: (1) "Introduction Activities" (Boomtown; A Growing Community; Walking Field Trip; and How to Make a Sketchbook); (2) "Measurement and Scale" (Measuring; Density Den; and Great Classroom Creation); (3) "Structures" (Geometric Building Blocks; Structures Vocabulary; Basic Structures; Tough Triangles; Bridge Building; Blow Ye Winds; Puff Mobiles; Build the Highest Tower; Castle Building; and Cardboard Structures); and (4) "Earthquake Awareness" (Earthquake Awareness Exercise; Structural Stability; Egg Drop--Primary; Egg Drop--Intermediate; Shapes for Strength; and Build a Structure. (EH)

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